

<b>Form PTO-1449</b> <b>U.S. Department of Commerce</b> <b>Patent and Trademark Office</b>  <b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)	<b>Atty. Docket No.</b> 64987-A	<b>Serial No.</b> No Yet Known
	<b>Applicants</b> Gabriela Chiosos et al.	
	<b>Filing Date</b> March 18, 2004	<b>Group</b> 1626

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
sl	3 0 6 7 0 9 9	12/04/62	McCormick et al.	—	—	
sl	4 3 2 2 3 4 3	05/30/82	Debono			
sl	4 9 4 6 9 4 1	08/07/90	Kondo et al.			
sl	5 1 8 7 0 8 2	02/16/93	Hamill and Yao			
sl	5 3 1 2 7 3 8	05/17/94	Hamill et al.			
sl	6 0 3 7 4 4 7	03/14/00	Stack and Thompson			
sl	6 1 8 0 6 0 4	01/30/01	Fraser et al.	—	—	

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
sl	W O 9 1 0 6 5 6 6	05/16/91	PCT	—	—		

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

sl	T.G. Emori, and R. P. Gaynes, An Overview of Nosocomial Infections, Including the Role of the Microbiology Laboratory, <i>Clin Microbiol. Rev.</i> , 6(4):428-442 (1993)
sl	N. Woodford, Glycopeptide-resistant enterococci: a decade of experience, <i>J. Med. Microbiol.</i> 47:849-862 (1998)
sl	G. L. French, Enterococci and Vancomycin Resistance, <i>Clin. Infect. Dis.</i> , Suppl 1:S75-S83 (1998)
sl	C.T. Walsh, Vancomycin Resistance: Decoding the Molecular Logic, <i>Science</i> , 261:308-309 (1993)
sl	G.D. Wright et al., Characterization of VanY, a DD-Carboxypeptidase from Vancomycin-Resistant <i>Enterococcus faecium</i> BM4147, <i>Antimicrob. Agents. Chemother.</i> , 36(7):1514-1518 (1992)
sl	P.E. Reynolds et al., Glycopeptide resistance mediated by enterococcal transposon Tn 1546 requires production of VanX for hydrolysis of D-alanyl-D-alanine, <i>Mol. Microbiol.</i> , 13(6):1065-1070 (1994)
sl	H. P. Netsler et al., A General Method for Molecular Tagging of Encoded Combinatorial Chemistry Libraries, <i>J. Org. Chem.</i> , 59:4723-4724 (1994)

<b>EXAMINER</b> sl	<b>DATE CONSIDERED</b> 11/2/04
-----------------------	-----------------------------------

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 64987-A	Serial No. Not Yet Known
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicants Gabriela Chiosos et al.	
				Filing Date March 18, 2004	Group
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
ll		S. Handwerger et al., Vancomycin Resistance Is Encoded on a Pheromone Response Plasmid in <i>Enterococcus faecium</i> 228, <i>Antimicrob. Agents. Chemother.</i> , 34:358-360 (1990)			
ll		A. E. Jacobs and S. J. Hobbs, Conjugal Transfer of Plasmid-Borne Multiple Antibiotic Resistance in <i>Streptococcus faecalis</i> var. <i>zymogenes</i> , <i>J. Bacteriol.</i> , 117(2):360-372 (1974)			
ll		M. H. Lai and D. R. Kirsch, Induction Signals for Vancomycin Resistance Encoded by the <i>vanA</i> Gene Cluster in <i>Enterococcus faecium</i> , <i>Antimicrob. Agents. Chemother.</i> , 40(7):1645-1648 (1996)			
ll		B.L.M. De Jonge et al., Peptidoglycan Composition of Vancomycin-Resistant <i>Enterococcus faecium</i> , <i>Microb. Drug Resist.</i> 2:225-229 (1996)			
ll		S. Evers et al., Genetics of Glycopeptide Resistance in Enterococci, <i>Microb. Drug Resist.</i> 2:219-223 (1996)			
ll		P.E. Reynolds, Biochemistry, and Mechanism of Action of Glycopeptide Antibiotics, <i>Eur. J. Microbiol. Infect. Dis.</i> 8:943-950 (1993)			
ll		K. Matusmoto, A Vancomycin-Related Antibiotic From <i>Streptomyces</i> Sp. K-288, <i>J. Antibiotics, Ser. A</i> 14(3):141-146			
ll		U.S. Serial No. 09/938,746, filed August 23, 2001 (Chiosis), including the claim set as allowed ( <b>Exhibit 1</b> ).			
EXAMINER ll		DATE CONSIDERED 11/2/04			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office			Atty. Docket No. 64987-A		Serial No. Not Yet Known	
<b>INFORMATION DISCLOSURE CITATION BY APPLICANT</b> (Use several sheets if necessary)					Applicants Gabriela Chiosos et al.		Group	
					Filing Date March 18, 2004			
<b>U.S. PATENT DOCUMENTS</b>								
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate	
<b>FOREIGN PATENT DOCUMENTS</b>								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
sl		Abraham, E. P. and E. Chain, An Enzyme from Bacteria able to Destroy Penicillin, <i>Nature</i> <b>146</b> , 837 (1940)						
sl		Perl, T. M., The Threat of Vancomycin Resistance, <i>Am. J. Med.</i> <b>106:5A</b> , 26S-37S (1999)						
sl		Wright, G. D. and C. T. Walsh, D-Alanyl-D-alanine Ligases and the Molecular Mechanism of Vancomycin Resistance, <i>Acc. Chem. Res.</i> <b>25</b> , 468-473 (1992)						
sl		Walsh, C. T., Vancomycin Resistance: Decoding the Molecular Logic, <i>Science</i> <b>261</b> , 308-309 (1993)						
sl		Silva, J.C. et al., <i>In vivo</i> characterization of the type A and B vancomycin resistant enterococci (VRE) VanRS two-component systems in <i>Escherichia coli</i> : A nonpathogenic model for studying the VRE signal transduction pathways, <i>Proc. Natl. Acad. Sci. U.S.A.</i> <b>95</b> 11951-11956 (1998)						
sl		Arthur, M. et al., Structural relationship between the vancomycin resistance protein VanH and 2-hydroxycarboxylic acid dehydrogenases, <i>Gene</i> <b>103</b> , 133-134 (1991)						
sl		Bugg, T. D. et al., Molecular Basis for Vancomycin Resistance in <i>Enterococcus faecium</i> BM4147: Biosynthesis of a Dispeptide Peptidoglycan Precursor by Vancomycin Resistance Proteins VanH and VanA, <i>Biochem.</i> <b>30</b> , 10408-10415 (1991)						
sl		Wu, Z. and C. T. Walsh, Phosphate analogs of D-, D-dipeptides: Slow-binding inhibition and proteolysis protection of VanX, a D-, D-dipeptidase required for vancomycin resistance in <i>Enterococcus faecium</i> , <i>Proc. Natl. Acad. Sci. U.S.A.</i> <b>92</b> , 11603-11607 (1995)						
sl		Xu, R. et al., Combinatorial Library Approach for the Identification of Synthetic Receptors Targeting Vancomycin-Resistant Bacteria, <i>J. Am. Chem. Soc.</i> <b>121</b> , 4898 (1999)						
sl		Ge, M. et al., Vancomycin Derivatives That Inhibit Peptidoglycan Biosynthesis Without Binding D-Ala-D-Ala, <i>Science</i> <b>284</b> , 507-511 (1999)						
sl		Sundram, U. N. et al., Novel Vancomycin Dimers with Activity against Vancomycin-Resistant Enterococci, <i>J. Am. Chem. Soc.</i> <b>118</b> , 13107-13108 (1996)						
EXAMINER sl		DATE CONSIDERED 11/2/04						
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 64987-A	Serial No. Not Yet Known
<b>INFORMATION DISCLOSURE CITATION BY APPLICANT</b> (Use several sheets if necessary)				Applicants Gabriela Chiosis et al.	
				Filing Date March 18, 2004	Group
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>					
ll		Ohlmeyer M. H. J. et al., Complex synthetic chemical libraries indexed with molecular tags, <i>Proc. Natl. Acad. Sci. U.S.A.</i> <b>90</b> , 10922-10926 (1993)			
ll		Templin, M. F. et al., A defect in cell wall recycling triggers autolysis during the stationary growth phase of <i>Escherichia coli</i> . <i>EMBO J.</i> , <b>18</b> , 4108-4117 (1999)			
ll		Ulijasz, A. T. et al., A Vancomycin-Inducible LacZ Reporter System in <i>Bacillus subtilis</i> : Induction by Antibiotics That Inhibit Cell Wall Synthesis and by Lysozyme, <i>J. Bacteriol.</i> <b>178</b> , 6305-6309 (1996)			
ll		Baptista, M. et al., Specificity of Induction of Glycopeptide Resistance Genes in <i>Enterococcus faecalis</i> , <i>Antimicrob. Agents Chemother.</i> <b>40</b> , 2291-2295 (1996)			
ll		Cheng, Y. et al., Sequence-Selective Peptide Binding with a Peptido-A,B-trans-steroidal Receptor Selected from an Encoded Combinatorial Receptor Library, <i>J. Am. Chem. Soc.</i> <b>118</b> , 1813-1814 (1996)			
ll		Burger, M., and W.C. Still, Synthetic Ionophores. Encoded Combinatorial Libraries of Cyclen-based Receptors for Cu <sup>2+</sup> and Co <sup>2+</sup> , <i>J. Org. Chem.</i> , <b>60</b> , 7382-7383 (1995)			
ll		Borchardt, A., and W.C. Still, Synthetic Receptor Binding Elucidated with an Encoded Combinatorial Library, <i>J. Am. Chem. Soc.</i> <b>116</b> , 373-374 (1994)			
ll		Nelson, R.R., Intrinsically Vancomycin Resistant Gram-positive Organisms: Clinical Relevance and Implications for Infection Control, <i>Journal of Hospital Infection</i> , <b>42</b> , 275-282 (1999)			
EXAMINER ll		DATE CONSIDERED 11/2/04			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					